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(54) **RECEPTACLE FOR CONNECTING TO FLEXIBLE CIRCUIT BOARD**

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CPC **H05K 1/09** (2013.01); **H01R 12/61** (2013.01); **H01R 13/5202** (2013.01); **H01R 13/74** (2013.01)

(58) **Field of Classification Search**

CPC H01R 23/7073; H01R 9/7075

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See application file for complete search history.

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(57) **ABSTRACT**

Connector receptacles that may be space efficient and provide a direct connection to a flexible circuit board. One example may provide an electronic device having a receptacle including a recess formed in a housing of the electronic device. The recess may have a sidewall and a bottom surface portion, and the bottom surface portion may include one or more openings extending through the bottom surface portion from an external surface to an internal surface. One or more contacts formed on a flexible circuit board may be aligned with the one or more openings in the bottom surface portion. In this way, the receptacle may be space efficient and provide a direct connection to a flexible circuit board inside an electronic device. A cosmetic cap may be placed in the recess to obscure the existence of the connector receptacle.

25 Claims, 7 Drawing Sheets

